

Stray notes of a life devoted to Entomology

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This article contents the field notes, taken mainly by Ahmet Ömer Koçak.³ The notes, written by hand before 1982, were unfortunately lost during personal movings. However, after 1982, the field notes are rather complete with useful observations and comments. These notes generally very short, from time to time comprehensive, telegraphic in style, and in Turkish. Extractions will be published here in parts but not in chronological order.

Some complementary information should be connected with this article. Field notes were always written in the countryside; in Turkey or in abroad.

In Turkey, up to the present time, many short trips, excursions, and expeditions were realized. Some of the results of these activities were published.⁴ Especially after 2008, field activities were briefly published in illustrated articles of the Cesa News.⁵

In abroad, many expeditions were organized and realized within the Cesa⁶ programs.⁷ Brief collecting information of some expeditions were published separately.⁸

¹ <http://zoobank.org/?lsid=urn:lsid:zoobank.org:author:4755104C-24B4-4E00-8831-5F5E08B9E831>

² <http://zoobank.org/?lsid=urn:lsid:zoobank.org:author:671DD110-BDF1-49C8-964D-2A9251BE7824>

³ <http://www.cesa-tr.org/Kocak.htm>

⁴ <http://www.cesa-tr.org/Cesaprojects.htm>

⁵ <http://www.cesa-tr.org/Cesanews.htm>

⁶ Cesa: <http://www.cesa-tr.org/urn:lsid:biocol.org:col:35261> “Cesa interests especially in the Lepidoptera of the World professionally. Organization the international researches regarding the fauna, taxonomy, nomenclature, morphology, ecology, biodiversity, conservation, bibliography, checklists, catalogues of the Insecta, and the publications are among its aims. Only the scientific collaborations by the esteemed scientists are welcomed.” from Preamble of the Homepage.

Cesa studies are unique in the World. There is no any scientific attempt similar to those of Cesa. Our all scientific programs, planned projects and publications, as well as info-system are completely original and distinctive. Scientific activities of the Cesa are well understood and supported by some scientists, or considered very dangerous (!), consequently wanted to destroy by somebodies. The latter group, originated from Europe and North America traduced us as “terrorist” in the internet medium. We are aware of these persons. Such non-scientific approaches are the signs of weakness and jealousy; for that reason unworthy for us. It is a pity that such anti-democratic attempts destroy only the confidence of us in the scientists. Under such regretful circumstances, it is not to be expected that purity of the knowledge remain as desired by us.

⁷ <http://www.members.tripod.com/entcesa/intent.pdf>

⁸ Koçak, A.Ö., 1989, Results of the Lepidopterological Expedition to North Pakistan in 1987, Part 1: Introduction. Cent. ent. Stud., Priamus 4 (4): 129-140, 1 map. - Koçak, A.Ö., 1990, Seyahat Defterimden. Cent. ent. Stud., Misc. Pap. 2: 2-3; 6: 11-12. - Koçak, A.Ö.,

In the following notes, the visited area is explained with the geographical address, date of observation /or collection, altitude, if available, geographical coordinates, habitat information, list of the species if written, and other remarks. It should be explained that these information are not all, what have been done during field works. For example, collected material for scientific purpose, and their label information have been written usually on the paper bags of the material or on envelope of the specimen. Photographs and video records of insects, habitats, etc have been separately labelled. The latter activities have been realized by Muhabbet Kemal⁹ since 2000. Describing our travelling and field works with rich illustrations became possible for us after 2002. The present notes may also be an example for such a narrating style.

With the following example stray notes of a life begins:

Turkey: Muş Prov., Buğlan pass 1600m 17 5 2008, 39°56'26" N 41°09'06"E., opening of *Quercus* woodland. *Paeonia mascula* (*Paeoniaceae*) is a remarkable species growing inside of *Quercus* scrubs. Its flowers are very attractive for scarabaeids, and diptera (**Figs.1-2**).

Turkey: Bingöl Prov., Kuruca pass 1740m 17 5 2008, 38°57'15" N 40°14'24"E. opening of *Quercus* woodland (**Figs. 7-15**).

Turkey: Sivas Prov., W. of Gürün 1530m 18 5 2008, 38°42'58" N 37°11'02"E. malacophyllous steppe on calcareous slopes (**Figs.16-29**).

Turkey: Kayseri Prov., W. of Pınarbaşı 1590m 18 5 2008, 38°40'25" N 36°19'44"E. malacophyllous steppe on calcareous slopes (**Figs.30-31**).

Turkey: Kırıkkale Prov., Köprüköy 730m 18 5 2008, 39°34'49" N 33°25'42"E. Volcanic territory (**Figs.32-33**).

Turkey: Ankara Prov., Kalecik 830m 20 5 2008, 40°05'43" N 33°24'20"E. (**Figs.34-44**).

Turkey: Ankara Prov., Kalecik, Baykuş pass 1140m 20 5 2008, 40°08'45" N 33°20'51"E. Remnant thicket on slopes (**Figs. 45-51**).

Turkey: Kütahya Prov., Kütahya ca. 20km NE, 920m 21 5 2008, 39°33'20" N 30°04'00"E. Scrubs on calcareous slopes (**Figs.52-54**).

Turkey: Balıkesir Prov., Campus of Balıkesir University, 23. 05.2008. 230m, 39°31'42" N 28°00'37"E. Observed species: *Argynnis pandora*, *Pontia edusa*, *Pieris rapae*.

Turkey, Kırıkkale Prov., vic. Keskin 1000m 25 5 2008, (**Fig. 55**).

Turkey Kayseri Prov., Pınarbaşı 1590m 25 5 2008 38°40'25" N 36°19'44"E. malacophyllous steppe on calcareous slopes (**Figs. 56-70**).

Turkey: Malatya Prov., Akçadağ, Gürkaynak S, 26 5 2008, 1550m, 38°21'02"N 37°49'55"E. *Quercus* woodland. Observed species: *Pieris brassicae*, *Proterebia afra*; several butterflies were photographed (**Figs.71-74**).

Turkey: Malatya Prov., Gündüzbey S, 26 5 2008, 1600m, 38°11'26"N 38°14'59"E. Stipa steppe on stony slopes [code of locality 44Ob]¹⁰. *Proterebia afra* observed (**Fig. 76**).

Turkey: Malatya Prov., between Kozluk and South of Malatya, Şehit Komando Mehmet Sucu Çeşmesi 26.5.2008 [code of locality 44Oc]. List of species on paper bag of the material (**Figs.78-83**).

Turkey: Malatya Prov., a mountain pass covered by tragacanthic vegetation [*Astragalatea*] 26 5 2008, 1870m, 38°11'41"N 38°19'08"E. [code of locality 44Od]. List of species on paper bag of the material.

Turkey: Malatya Prov., Yeşilyurt, Çelikhan yolu, 26 5 2008, 1760m 38°11'01"N 38°17'59"E. [code of locality 44Oe]. Cloudy, partly rainy weather. List of species on material bag].

Turkey: Urfa Prov., Ceylanpınar, rocky hilltop 440m 36°52'47"N 40°02'22"E. (**Figs.84-85, 87-92**).

Turkey: Urfa Prov., Ceylanpınar 27 5 2008, Kızıltepe yolu 1.köprü 375m 36°54'00"N 40°03'23"E. [code of locality 63Dd]. Numerous microlepidoptera of eremial vegetation were collected (**Figs.86,93-95**).

Turkey: Mardin Prov., Ömerli Anıttepe 1080m, 28 5 2008, butterflies on ruderal formations in the openings of *Quercus* scrubs (**Figs. 96-101**).

1995, 1994 yılında Kuzey İran ve Türkmenistan'a yapılan Entomolojik ve Botanik Ekspedisyondur. Sonuçları 1.Giriş. Cent. ent. Stud., Misc. Pap. 22: 6-8, 1 harita. - **Koçak,A.Ö.**, 1996, 1996 Şubat ayında Etiyopya'ya yapılan Lepidopterojik Ekspedisyondur. Sonuçları 1.Giriş. Cent. ent. Stud., Misc. Pap. 27/28: 1-7. - **Koçak,A.Ö.**, 1997, 1996 Eylül ve Ekim aylarında Etiyopya'ya yapılan Entomolojik ekspedisyondur. Sonuçları I. Giriş. Cent. ent. Stud., Misc. Pap. 35/36: 1-4, 2 harita. - **Koçak,A.Ö.**, 1997, Filipin Adalarına Yapılan Entomolojik Ekspedisyondur I.Giriş. Cent. ent. Stud., Misc. Pap. 45: 1-7, 1 harita. - **Koçak,A.Ö. & M.Kemal**, 2000, Entomological expedition of the Cesa to the Kazakhstan and Kyrgyzistan in 1999. Cent. ent. Stud., Misc. Pap. 70: 1-5.

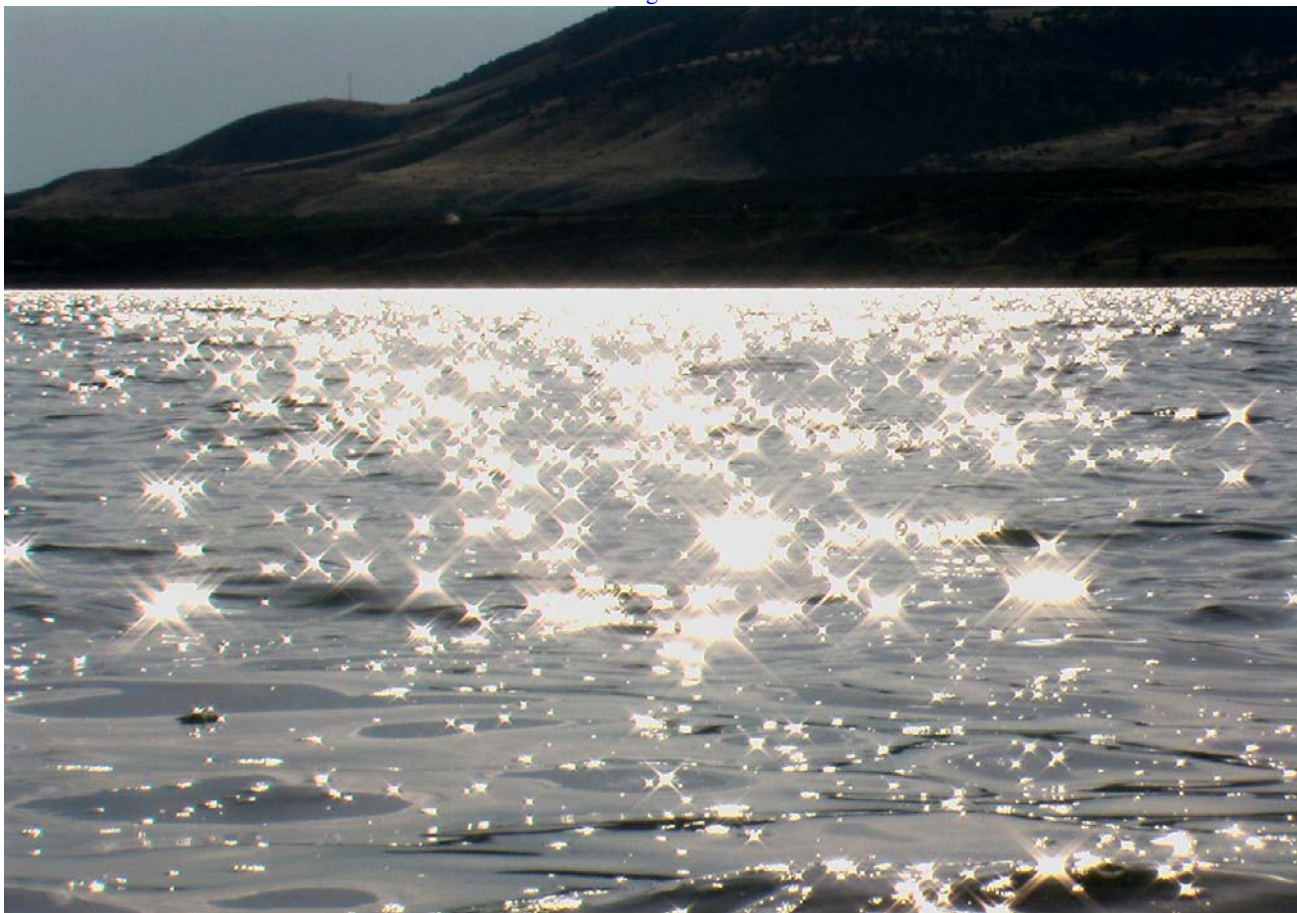
⁹ <http://www.cesa-tr.org/Kemal.htm>

¹⁰ Code List by the Centre for Entomological Studies Ankara (Cesa). Currently 6149 states, regions, territories or localities studied by us are specially coded. This list is freely downloaded from the following address: <http://www.members.tripod.com/Cesa88/Code.pdf>

Images from various provinces during a spring expedition of the authors
(17 May-28 May 2008)



Figs. 1, 2- *Paeonia mascula* (Paeoniaceae). Turkey, Muş Prov., Buğlan pass 1600m 17 5 2008, photo M.Kemal (Cesa)



Figs. 3, 4- Keban Dam near Kömürhan köprüsü, Turkey Elazığ Prov., 17 5 2010, photo M.Kemal (Cesa)



Fig. 5- Kömürhan köprüsü, Turkey Elazığ Prov., 17 5 2010, photo M.Kemal (Cesa)



Fig. 6- *Verbascum* sp. (Scrophulariaceae) near Kömürhan köprüsü, Turkey Elazığ Prov., 17 5 2010, photo M.Kemal (Cesa)



Fig. 7 - *Tulipa* sp. (*Liliaceae*). Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa). The genus *Tulipa* is represented in Turkey by 15 species, of which 2 are endemic.



Fig. 8 – *Globularia trichosantha* (*Globulariaceae*). Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa). An important nectar plant of butterflies in Turkey.



Fig. 9 – *Geranium* sp. (*Geraniaceae*). Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa). An important larval foodplant of lycaenid butterflies in Turkey.



Fig. 10 – *Ornithogalum* sp. (*Liliaceae*). Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa).



Fig. 11 – Gregareous caterpillars of *Aporia crataegi* (Pieridae) common on *Crataegus* spp. (Rosaceae). Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa).

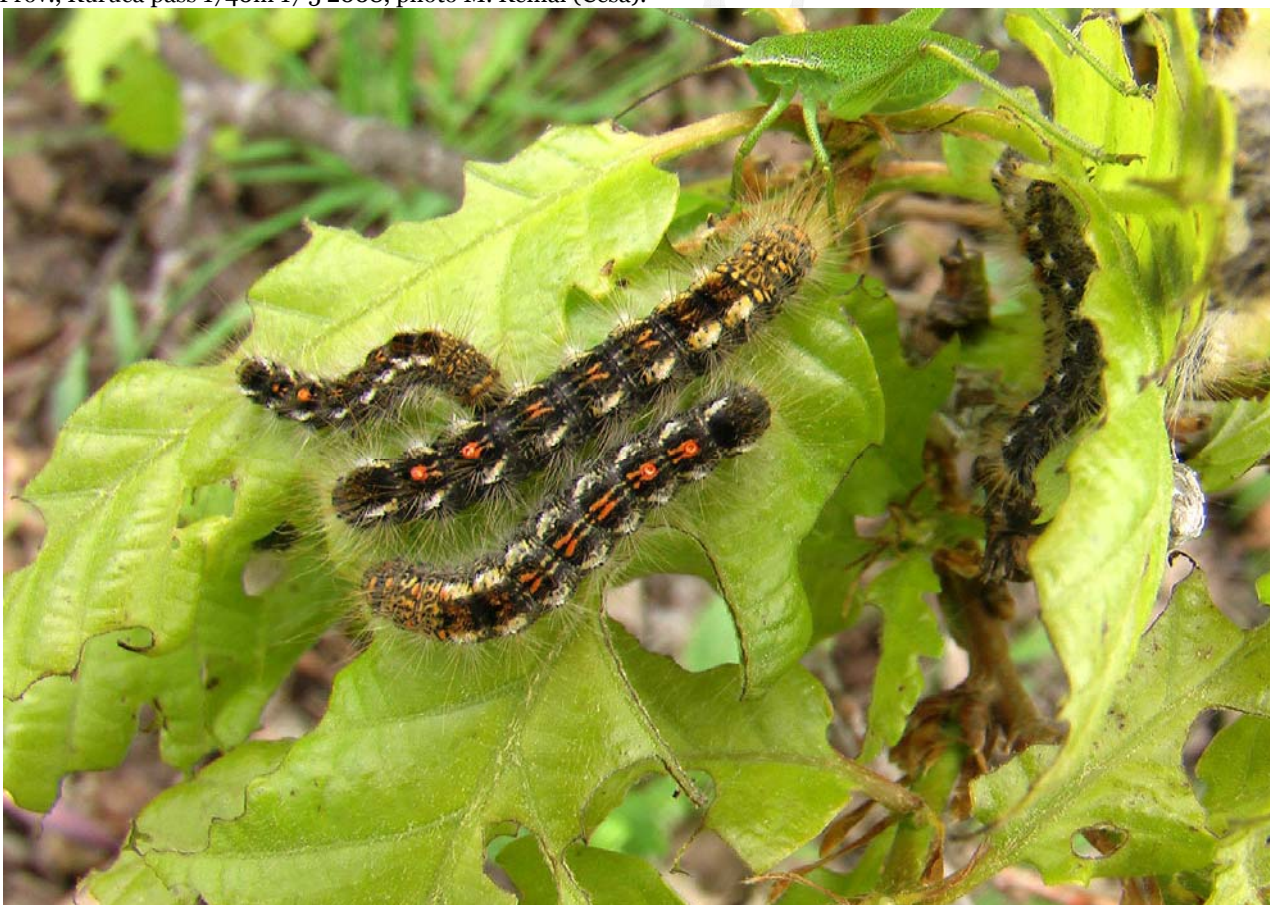


Fig. 12 – Gregareous caterpillars of *Euproctis chrysorrhoea* (Lymantriidae) common on *Quercus* spp. (Fagaceae). Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa).



Fig. 13 – *Arctia festiva* (Arctiidae) newly emerged moth. Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa).



Fig. 14 – *Dorcadion* sp. (Cerambycidae) in copula. Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa).



Fig. 15 – *Dorcadion* sp. (*Cerambycidae*). Turkey, Bingöl Prov., Kuruca pass 1740m 17 5 2008, photo M. Kemal (Cesa).



Fig. 16 – Between Darende and Gürün, Turkey Malatya Province, 18 5 2008, photo M. Kemal (Cesa).

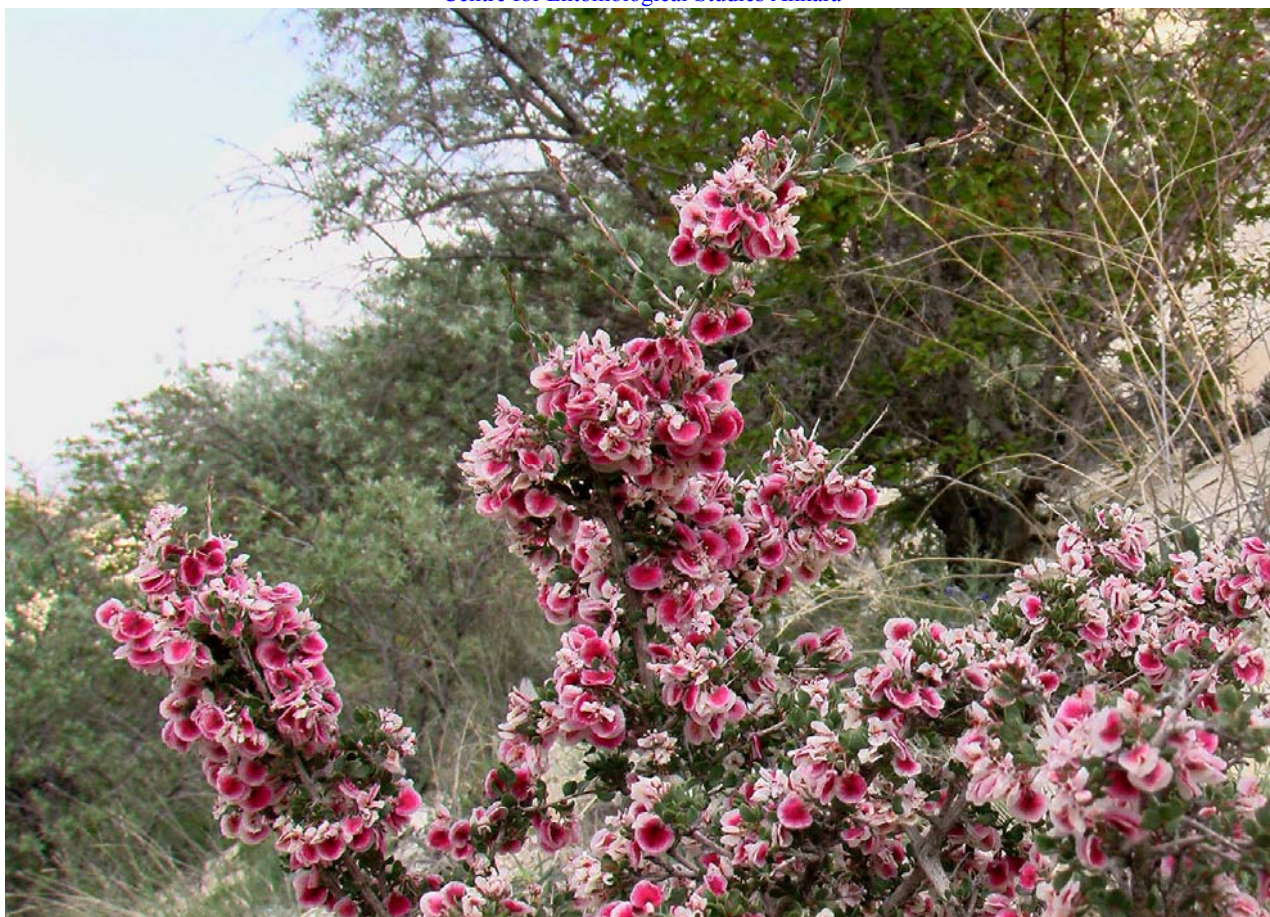


Fig. 17 – *Atraphaxis* sp. (*Polygonaceae*). Turkey, Sivas Province, vic. Gürün, 18 5 2008, photo M. Kemal (Cesa).



Fig. 18 – *Tragopogon longirostris* (*Asteraceae*). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).

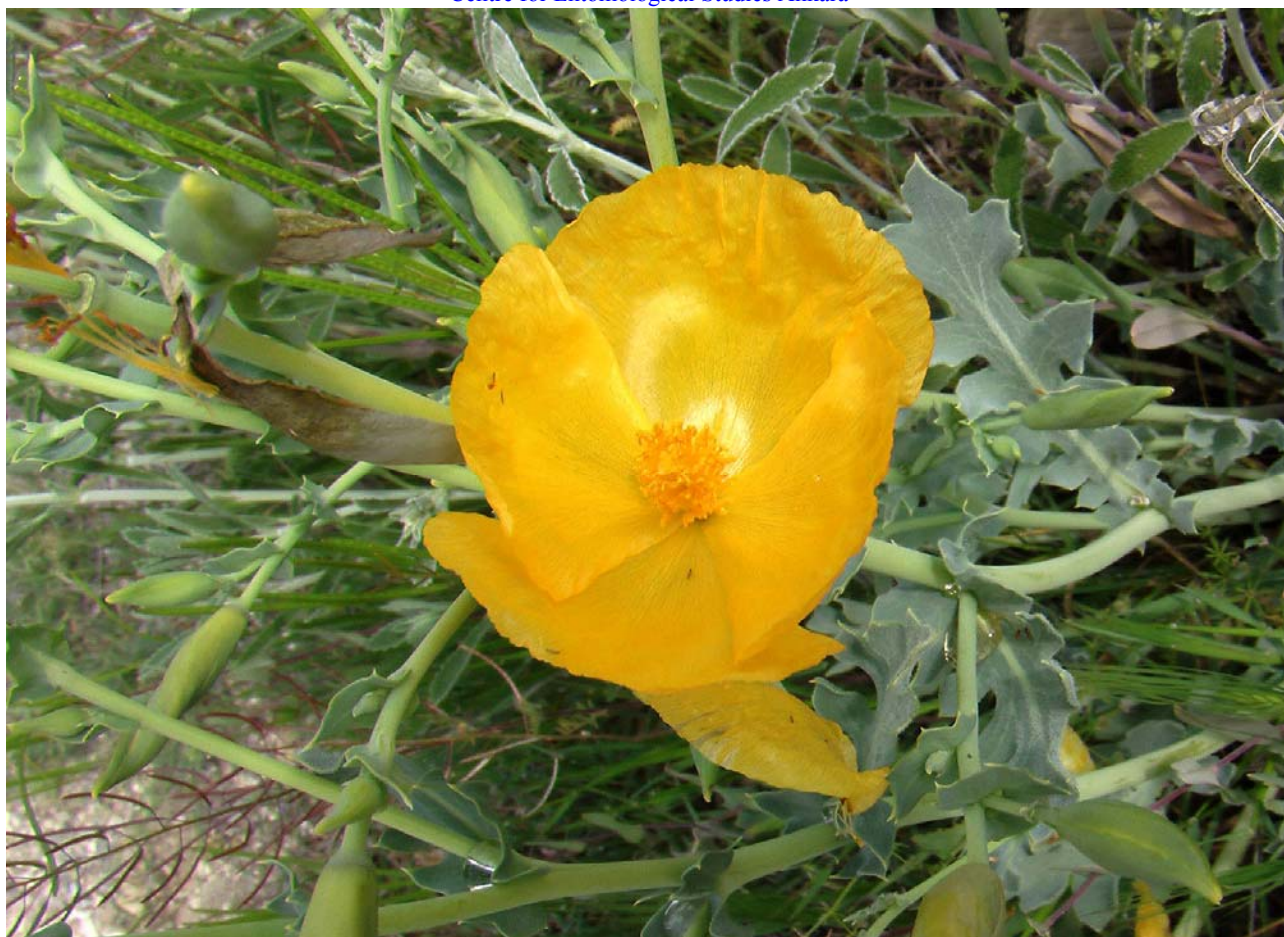


Fig. 19 – *Glaucium flavum* (*Papaveraceae*). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 20 – *Salvia* sp. (*Lamiaceae*). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 21 – *Iris* sp. (*Iridaceae*). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 22 – *Tragopogon* sp. (*Asteraceae*). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 23 – *Onosma? tauricum* (Boraginaceae). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 24 – *Arnebia densiflora* (Boraginaceae) . Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 25 – *Zegris eupheme* (Pieridae) on *Arnebia densiflora* (Boraginaceae). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 26 – *Arnebia densiflora* (Boraginaceae) in the steppe. Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 27 – *Rhodobates* sp. (*Tineidae*). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 28 – *Tomares nogelii* (*Lycaenidae*). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 29 – *Iris schachtii* (Iridaceae). Turkey, Sivas Province, W. of Gürün, 1530m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 30 – *Convolvulus* ? *assyricus* (Convolvulaceae). Turkey, Kayseri Province, W. of Pınarbaşı, 1450m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 31 – *Callophrys rubi* (Lycaenidae) on *Hypericum*. Turkey, Kayseri Province, W. of Pınarbaşı, 1450m, 18 5 2008, photo M. Kemal (Cesa).



Fig. 32 – Köprüköy near Kızılırmak, 730m., Turkey, Kırıkkale Province, Keskin distr. 18 5 2008, photo M. Kemal (Cesa).



Fig. 33 – Köprüköy near Kızılırmak, 730m., Turkey, Kırıkkale Province, Keskin distr. 18 5 2008, photo M. Kemal (Cesa).



Fig. 34 – Kalecik, 830m., Turkey, Ankara Province 20 5 2008, photo M. Kemal (Cesa).



Fig. 35 – *Moltkia coerulea* (Boraginaceae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa).



Fig. 36–*Scutellaria orientalis* (Lamiaceae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa)



Fig. 37—*Hypericum scabrum* (Hypericaceae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa). Larval food-plant of *Aplocera* spp. (Geometridae).



Fig. 38—*Salvia cryptantha* (Lamiaceae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa). A common species in Central Anatolian steppes.



Fig. 39—*Euphydryas orientalis* (Pieridae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa).



Fig. 40—*Euphydryas orientalis* (Argynnidae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa). A rare butterfly in Central Anatolian steppe. Its caterpillar feeds on *Scabiosa argentea* (Dipsacaceae).



Fig. 40—*Glaucium corniculatum* (Papaveraceae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa).



Figs 41—*Melitaea didyma* (Argynnidae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa).



Fig. 42—*Melitaea didyma* (Argynnidae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa).



Fig. 43—*Polyommatus agestis* (Lycaenidae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa).



Fig. 44—*Lycaena tityrus* (Lycaenidae). Turkey, Ankara Province, Kalecik 830m 20 5 2008, photo M. Kemal (Cesa).



Fig. 45—*Coenonympha leander* (Satyridae). Turkey, Ankara Province, Kalecik, Baykuş pass 1140m 20 5 2008, photo M. Kemal (Cesa).



Fig. 46—*Melitaea phoebe* (Argynnidæ). Turkey, Ankara Province, Kalecik, Baykuş pass 1140m 20 5 2008, photo M. Kemal (Cesa).



Fig. 47—*Tomares nogelii* (Lycaenidæ). Turkey, Ankara Province, Kalecik, Baykuş pass 1140m 20 5 2008, photo M. Kemal (Cesa).

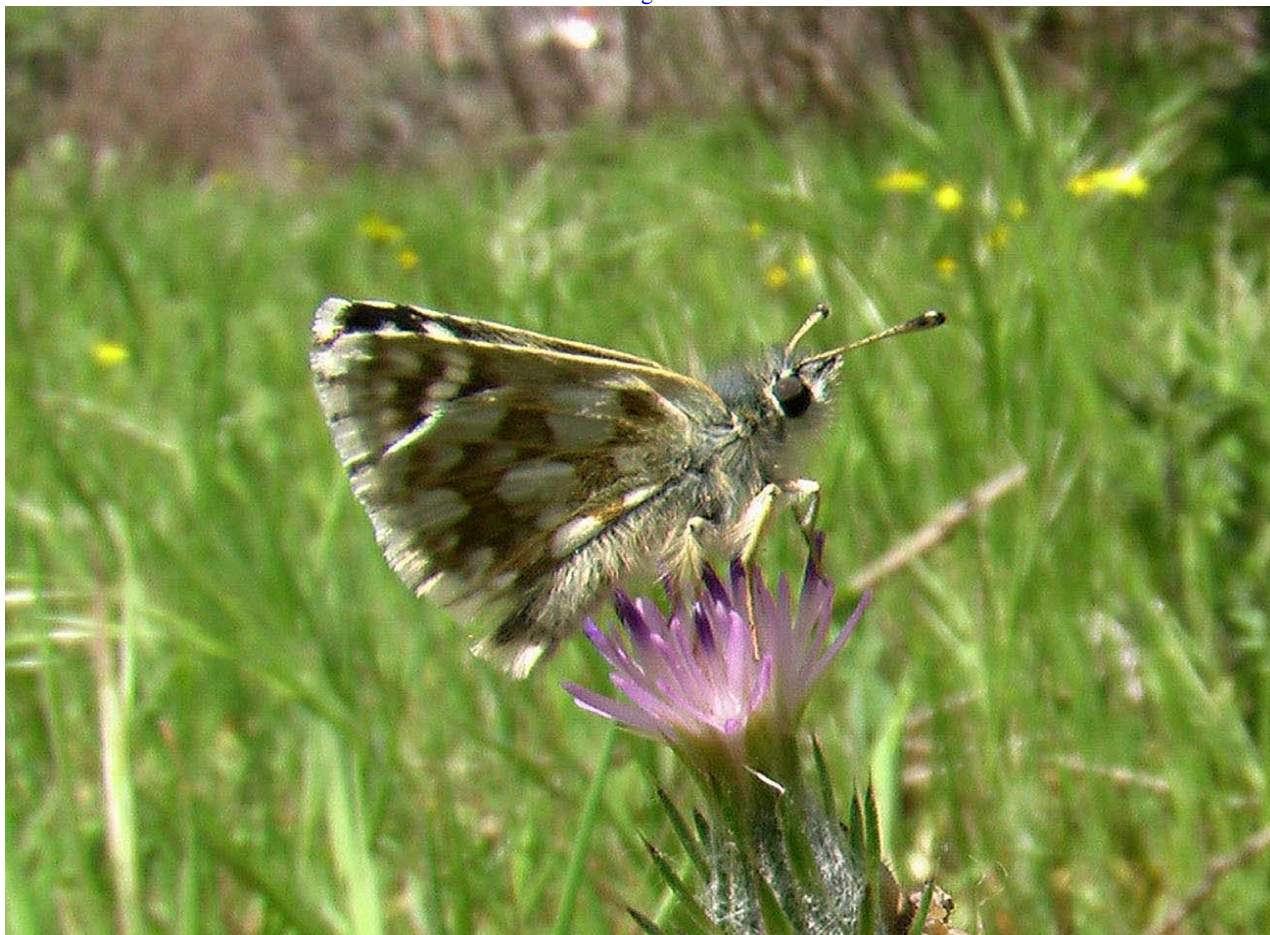


Fig. 48—*Spialia orbifer* (Hesperiidae). Turkey, Ankara Province, Kalecik, Baykuş pass 1140m 20 5 2008, photo M. Kemal (Cesa).

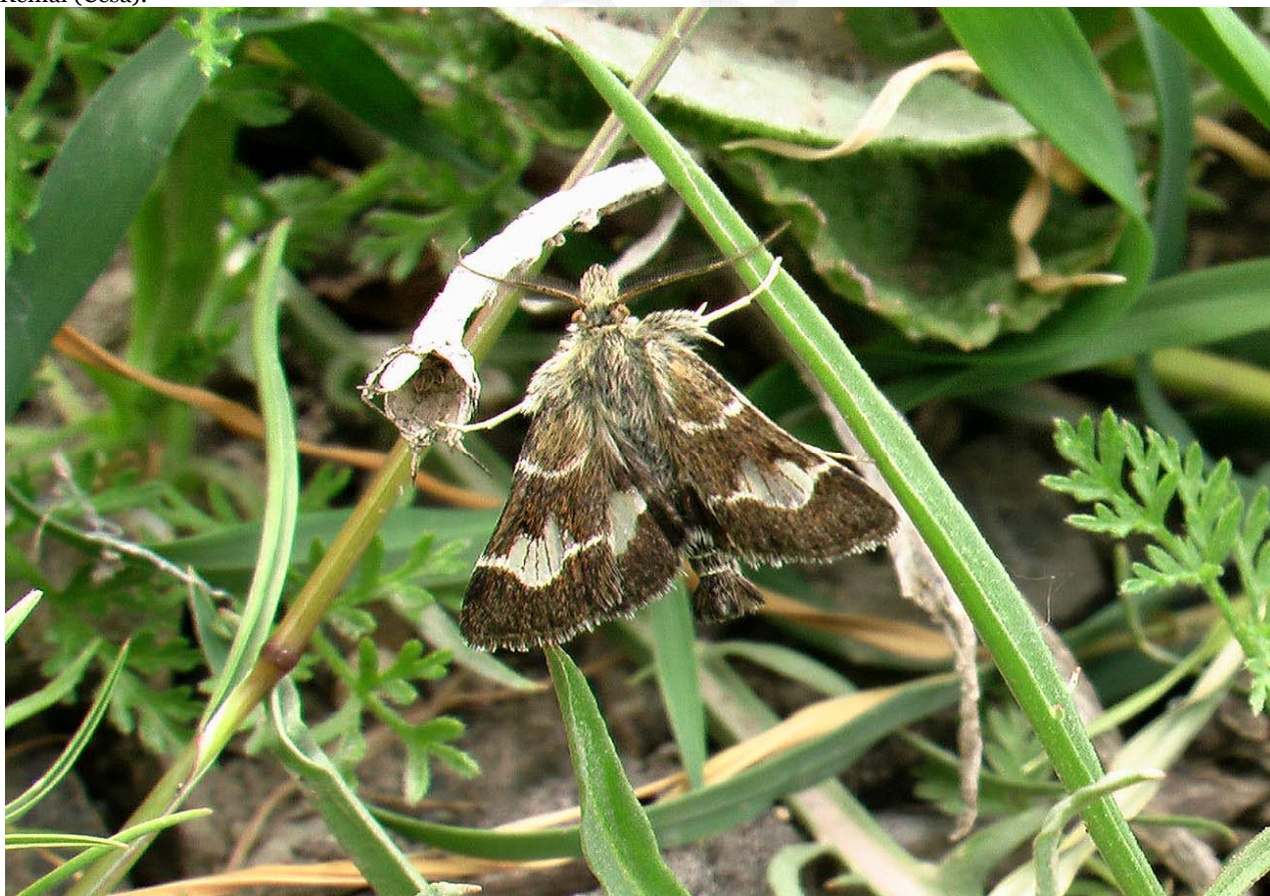


Fig. 49—A male of *Tretopteryx pertusalis* (Pyrilidae). Turkey, Ankara Province, Kalecik, Baykuş pass 1140m 20 5 2008, photo M. Kemal (Cesa).



Fig. 50– *Evergestis frumentalis* (Pyrallidae). Turkey, Ankara Province, Kalecik, Baykuş pass 1140m 20 5 2008, photo M. Kemal (Cesa).



Fig. 51– *Lasiocampa eversmanni* (Lasiocampidae). Turkey, Ankara Province, Kalecik, Baykuş pass 1140m 20 5 2008, photo M. Kemal (Cesa).



Fig. 52– Turkey, Kütahya Prov., Kütahya 20km NE 920m 21 5 2008, photo M. Kemal (Cesa)



Fig. 53– *Amata nigricornis* (Ctenuchidae). Turkey, Kütahya Prov., Kütahya 20km NE 920m 21 5 2008, photo M. Kemal (Cesa)



Fig. 54– *Libelloides ottomanus* (Ascalaphidae). Turkey, Kütahya Prov., Kütahya 20km NE 920m 21 5 2008, photo M. Kemal (Cesa)



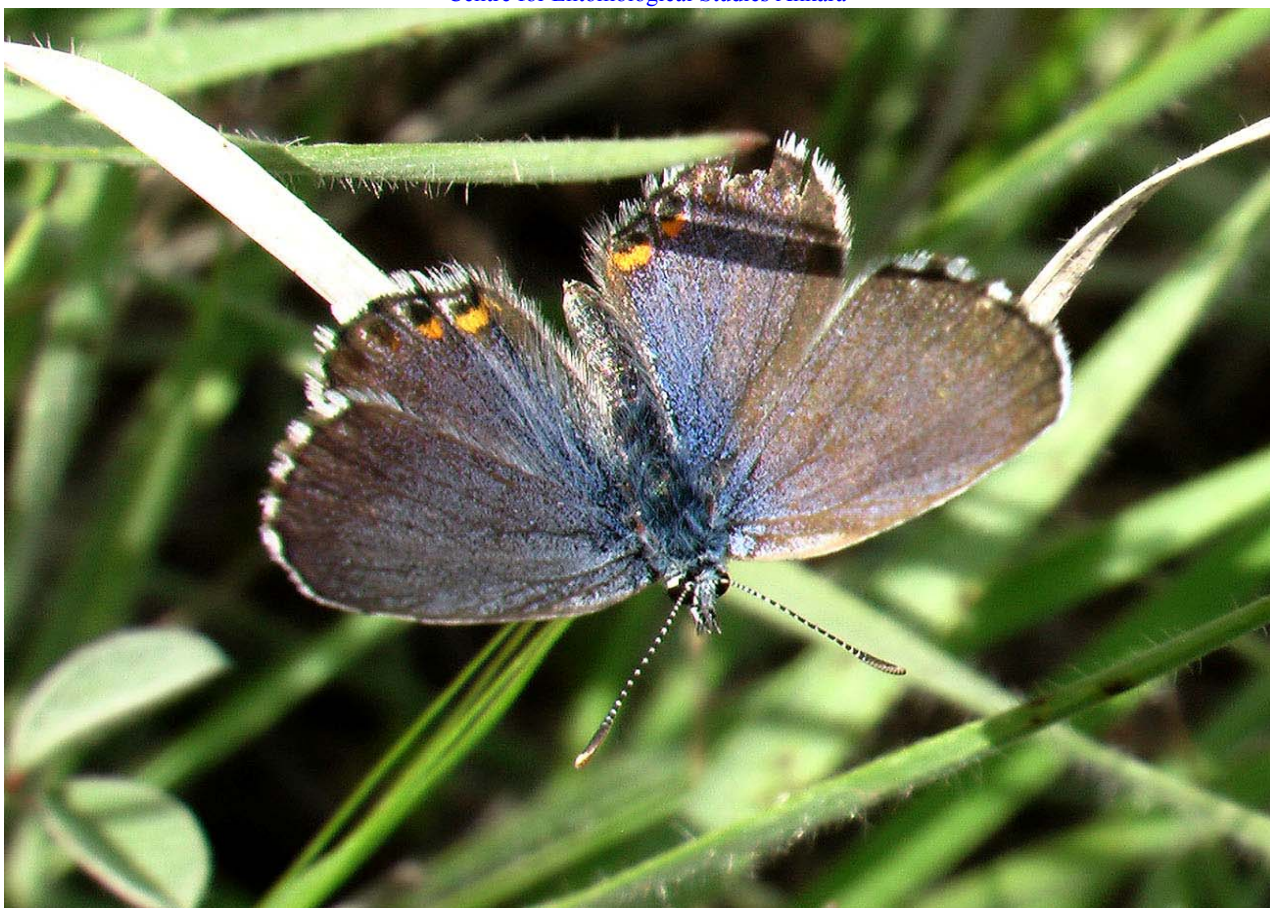
Fig. 55– *Synaphe moldavica* (Pyrallidae). Turkey, Kirikkale Province, Keskin vicinity 1000m 25 5 2008, photo M. Kemal (Cesa).



Fig. 56– *Glaucopsyche alexis* (male) (*Lycaenidae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 57– *Glaucopsyche astraea* (male) (*Lycaenidae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Figs. 58, 59– *Rubrapterus bavius* (Lycaenidae). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Figs. 60, 61– *Polyommatus coelestinus* (male & female) (*Lycaenidae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 62– *Polyommatus bellis* (males) (*Lycaenidae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 63– *Lycaena (Thersamonia) thersamon* (male) (*Lycaenidae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 64– *Lycaena (Thersamonia) thersamon* (male) (*Lycaenidae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 65– *Pyrgus melotis* (*Hesperiidae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 66– *Trachysmia palpana* (Tortricidae). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 67– *Chrysocrambus ? syriellus* (Pyralidae). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 68– *Loxostege mucosalis* (Pyralidae). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 69– *Tephrina hopfferaria* (Geometridae). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa). This species is known from Turkey only.



Fig. 70– *Astragalus* sp. (*Fabaceae*). Turkey, Kayseri Province, Pınarbaşı 5km W 1590m 25 5 2008, photo M. Kemal (Cesa).



Fig. 71 - *Polyommatus icarus* feeding on *Astragalus* (*Fabaceae*). Turkey, Malatya Province, Akçadağ, Gürkaynak 1550m, 26 5 2008 photo M.Kemal (Cesa)



Fig. 72 - A male butterfly of *Plebejus sephirus*-complex (*Lycaenidae*) sipping nectar of *Astragalus* (*Fabaceae*). Turkey, Malatya Province, Akçadağ, Gürkaynak 1550m, 26 5 2008 photo M.Kemal (Cesa)

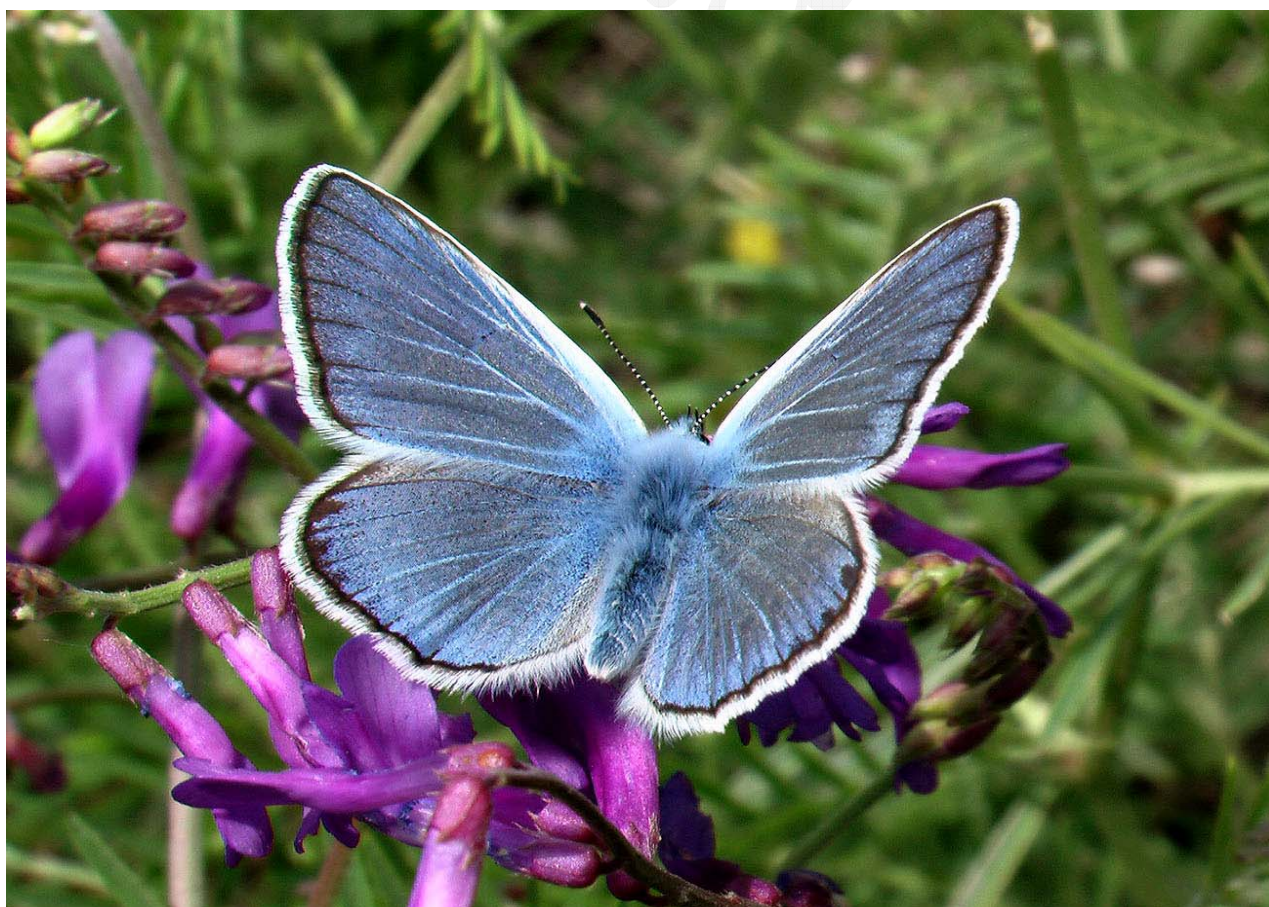


Fig. 73 - A male butterfly of *Polyommatus amandus* (*Lycaenidae*) sipping nectar of *Astragalus* (*Fabaceae*). Turkey, Malatya Province, Akçadağ, Gürkaynak 1550m, 26 5 2008 photo M.Kemal (Cesa)



Fig. 74 - A resting female of *Glaucopsyche alexis* (*Lycaenidae*). Turkey, Malatya Province, Akçadağ, Gürkaynak 1550m, 26 5 2008 photo M.Kemal (Cesa)



Fig. 75 - Turkey, Malatya Province, south of the city, 26 5 2008 photo M.Kemal (Cesa)



Fig. 76 - Turkey, Malatya Province, suburb of the city, 26 5 2008 photo M.Kemal (Cesa)



Fig. 77 - Turkey, Malatya Province, road construction, 26 5 2008 photo M.Kemal (Cesa)



Fig. 78 - Turkey, Malatya Province, south of the city, fountain, 26 5 2008 photo M.Kemal (Cesa)



Fig. 79 - Larva of *Simyra dentinosa* (Noctuidae) feeding on *Euphorbia*. Turkey, Malatya Province, south of the city, fountain, 26 5 2008 photo M.Kemal (Cesa)



Fig. 80 - *Spialia orbifer* (Hesperiidae), mineral water circulation. Malatya Province, south of the city, fountain, 26 5 2008 photo M.Kemal (Cesa)



Fig. 81 - A male butterfly of *Plebejus sephirus*-complex (Lycaenidae) sipping mineral water. Malatya Province, south of the city, fountain, 26 5 2008 photo M.Kemal (Cesa)



Fig. 82 - A basking male of *Melitaea phoebe* (Argynnis). Malatya Province, south of the city, fountain, 26 5 2008 photo M.Kemal (Cesa)



Fig. 83 - A feeding male of *Adscita* sp. (Zygania). For a precise identity, its genitalic dissection is necessary. Malatya Province, south of the city, fountain, 26 5 2008 photo M.Kemal (Cesa)



Fig. 84 - Turkey, Urfa Province, Ceylanpınar, TIGEM, 27 5 2008 photo M.Kemal (Cesa)



Fig. 84 - *Pseudochazara pelopea* (Satyridae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa)



Fig. 85 - *Lampides boeticus* (Lycaenidae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa)



Fig. 86 - *Epactoctena octogenalis* (Pyralidae). Turkey, Urfa Province, Ceylanpınar Kızıltepe yolu 1.köprü, 27 5 2008 photo M.Kemal (Cesa)



Fig. 87 - *Harpagidia magnetella* (Gelechiidae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa)



Fig. 88 - *Eristalis arbustorum* (female) (Syrphidae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa)

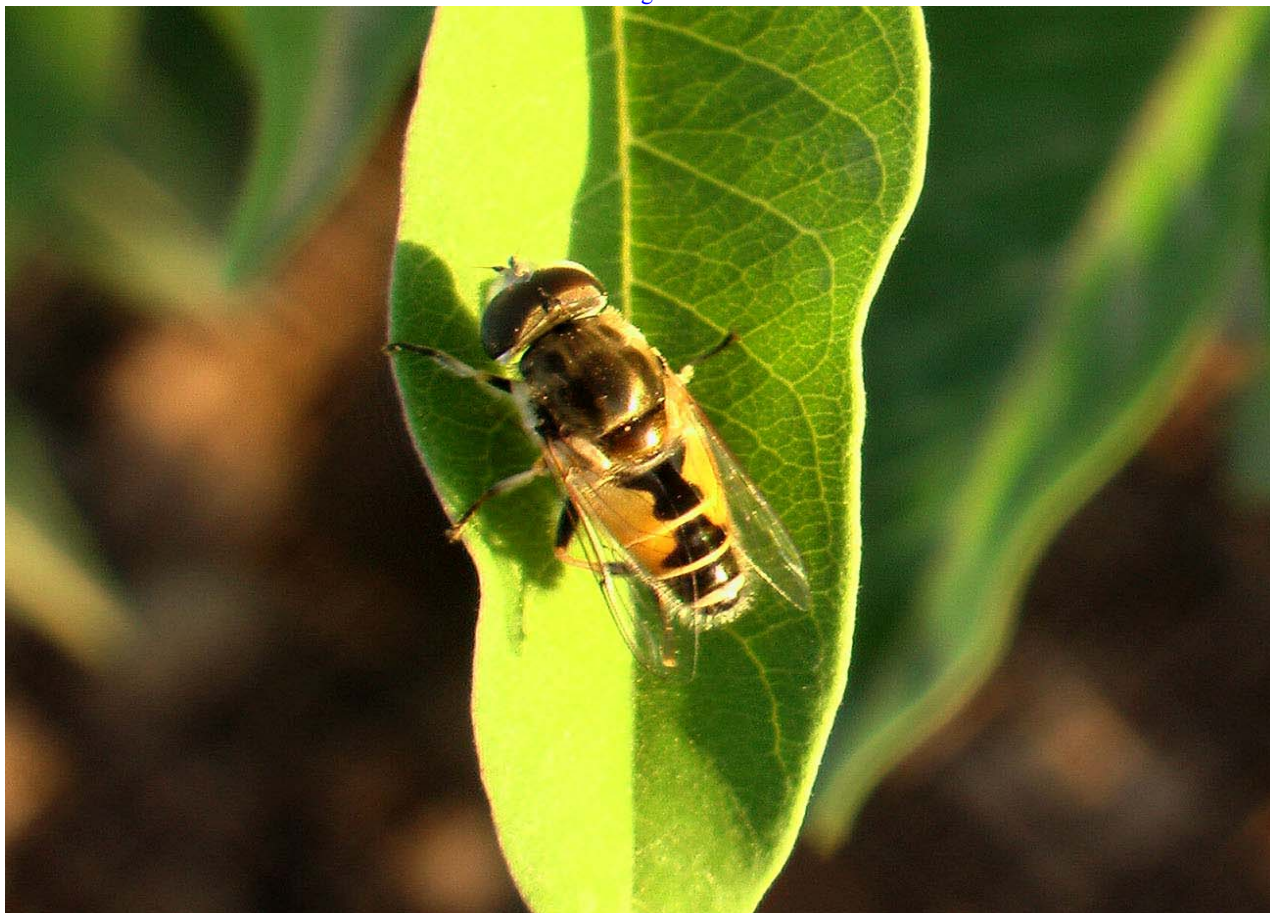


Fig. 89 – *Eristalis arbustorum* (male) (Syrphidae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa)

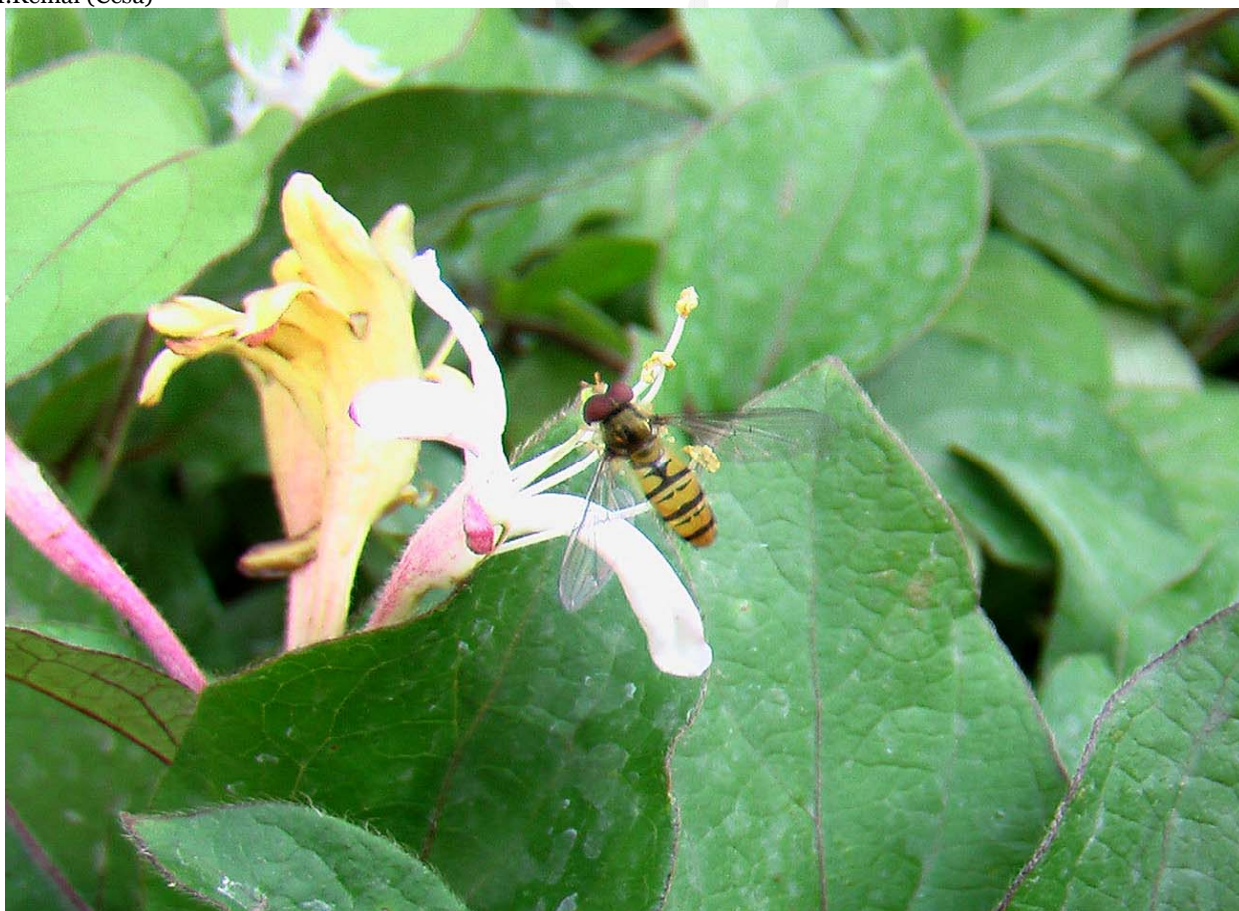


Fig. 90 – *Episyrphus balteatus* (Syrphidae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa)



Fig. 91 – *Ischnura* sp. (Coenagrionidae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa)

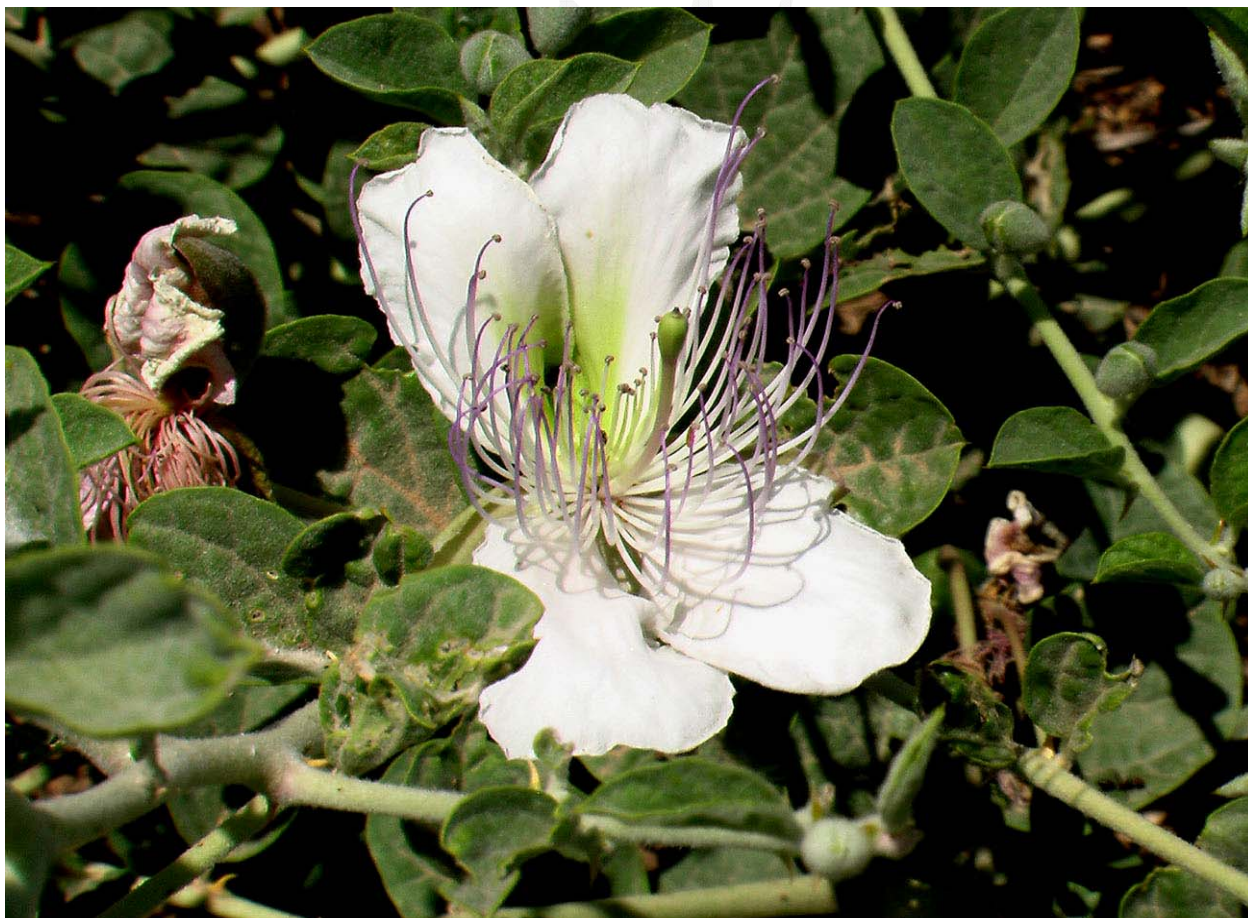


Fig. 92 – *Capparis spinosa* (Capparidaceae). Turkey, Urfa Province, Ceylanpınar 440m, 27 5 2008 photo M.Kemal (Cesa). Larval food-plant of migrant butterfly, *Colotis fausta* (Pieridae).



Fig. 93 - Turkey, Urfa Province, Ceylanpınar Kızıltepe yolu 27 5 2008 photo M.Kemal (Cesa)



Fig. 94 - Turkey, Urfa Province, Ceylanpınar Kızıltepe yolu 27 5 2008 photo M.Kemal (Cesa)



Fig. 95 - Turkey, Urfa Province, Ceylanpınar Kızıltepe yolu 27 5 2008 photo M.Kemal (Cesa)



Fig. 96 - Turkey, Urfa Province, Ceylanpınar Kızıltepe yolu 27 5 2008 photo M.Kemal (Cesa)



Fig. 97 – *Althea* sp. (*Malvaceae*). Turkey, Mardin Province, Ömerli Anittepe 1080m 28 5 2008 photo M.Kemal (Cesa). A roadside species, food-plant of some Skippers (*Hesperiidae*).



Fig. 98 – A full-grown caterpillar of *Allancastris deyrollei* (*Papilionidae*) on *Aristolochia maurorum* (*Aristolochiaceae*). Turkey, Mardin Province, Ömerli Anittepe 1080m 28 5 2008 photo M.Kemal (Cesa). Caterpillar differs from Central Anatolian *deyrollei* to some degree. Subspecific distinctness between *deyrollei* and *eisneri* should be investigated based upon their larvae.



Fig. 99 – Same caterpillar (see fig.98) two day later in captivity, before pupating. *Allancastria deyrollei* (Papilionidae). 30 5 2008 photo M.Kemal (Cesa).



Fig. 100 – *Coenonympha saadii* (Satyridae). Turkey, Mardin Province, Ömerli Anittepe 1080m 28 5 2008 photo M.Kemal (Cesa).



Fig. 101 – *Pseudochazara pelopea* (Satyridae). Turkey, Mardin Province, Ömerli Anittepe 1080m 28 5 2008 photo M.Kemal (Cesa).

(to be continued)

Chazaria incarnata (Freyer, 1838) Türünün Biyolojisi ve Yayılışı Hakkında Notlar (*Lepidoptera, Noctuidae*)¹¹

Lokman Kayci¹² Mehmet Fidan

Abstract: Notes on the Biology of *Chazaria incarnata* (Freyer, 1838) (*Lepidoptera, Noctuidae*). *Cesa News* 59: 55-59, 6 figs.[in Turkish]

In this paper, new record of the larval food-plant, *Silene compacta* (*Caryophyllaceae*), and the provincial distribution of *Chazaria incarnata* (Freyer, 1838) are given.

Bu makalede *Chazaria incarnata* (Freyer, 1838) türü ile ilgili yeni biyolojik bulgular sunulmaktadır. Bu tür, Van'da Gevaş ilçesi (Hacker, 1992) ve birinci yazar tarafından Özalp ilçesi Alibey değirmeni mevkiinde gece sürdürülen arazi çalışmaları sırasında tespit etmiştir. Elazığ ili, Maden ilçesinin 3 km doğusunda, 26 2010 tarihinde beş adet larva daha önceden besin bitkisi olarak bilinmeyen *Silene compacta* Fischer (*Caryophyllaceae*) üzerinde ikinci yazar tarafından tespit edilmiştir. Laboratuvar şartlarında beslenen larvalar üç hafta sonra, 24-25.06.2010 tarihlerinde pupa olmuştur. Pupadan 04-07 Temmuz tarihleri arasından çıkan ergin güveler birinci yazar tarafından teşhis edilmiş olup koleksiyonunda muhafaza edilmektedir.

Chazaria incarnata'nın *Noctuidae* familyasının *Heliothinae* altfamilyasındaki taksonomik durumu, yayılışı, besin bitkileri ile ilgili bilgiler aşağıda özetlenmiştir.

***Chazaria* Moore, 1881**

Chazaria Moore, 1881. Tip tür: *Chazaria incarnata* (Freyer, 1838).

Sinonim: *Rhodocleptria* Hampson, 1903

***Chazaria incarnata* (Freyer, 1838)**

Heliothis incarnata Freyer, 1838. Tip lokalitesi: İstanbul.

Sinonimler: *incarnata* Freyer, 1838; *boisduvali* Boisduval, 1840.

Dünyadaki Yayılışı: Palearktik.

Türkiye'deki yayılışı: Bu tür şimdiye kadar Türkiye'nin 24 ilinde (%26,62) tespit edilmiştir. Bu iller kodları itibariyle şöyledir. 01 05 06 07 18 20 23 24 25 33 34 36 38 39 42 44 45 46 50 51 58 63 65 71 (Koçak & Kemal, 2006, 2007).

Larva Besin Bitkisi: *Dianthus caryophyllus* (*Caryophyllaceae*) (Beck, 1999). *Silene compacta* Fischer, ilk defa bu çalışmada besin bitkisi olarak bildirilmektedir.

İncelenen Materyal: 4 ♂♀: Elazığ: Maden 3 km doğusu, Van: Özalp, Alibey değirmeni.

¹¹ received on 27 8 2010; accepted on 20 9 2010.

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Şekil 1. *Silene compacta* Fischer, besin bitkisi.



Şekil 2. *Chazaria incarnata* (Freyer, 1838), habitat. Van, Özalp, Alibey değirmeni



Şekil 3. *Chazaria incarnata* (Freyer, 1838) habitatı Elazığ, Maden.



Şekil 4. *Chazaria incarnata* (Freyer, 1838) gelişmiş larva.



Şekil 5. *Chazaria incarnata* (Freyer, 1838) pupalar.



Şekil 6. *Chazaria incarnata* (Freyer, 1838) ergin.

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Announcements

Recent Publications of the Cesa



Priamus (Supplement) nr. 18 was published on 13 May, 2010. It may also be freely obtainable as **pdf** files from the following URL address:

<http://www.archive.org/details/CentreForEntomologicalStudiesAnkaraPriamusSupplement18>

Koçak, A. Ö. & M. Kemal, 2010, **Results of the Entomofauna of the World based upon info-system of the Cesa. Cent. ent. Stud., Priamus Suppl. 18: 1-3186, 2 figs, 1 map.**

Under this major title, totally 88 regional reports, a generic list of the pterygot insects and a bibliographical evaluation are published in this number of the Priamus (supplement). The Project "Entomofauna of the World" (except *Lepidoptera*) has been carrying out by the researchers of the Cesa for some years. The temporary results of the reports submitted here are based upon not only the literary data, but also the field results of the authors' expeditions to several states realized in earlier decades. In each report submitted, faunistical, taxonomical and nomenclatural information are revised as far as possible, updated accordingly with footnotes. References to the faunal information of some states published in recent years are also mentioned in the related reports. The following states are newly added to the research program on the pterygot fauna within the frame of entomofaunal surveys of the Cesa: Austria, Bulgaria, Creta, France, Germany, Greece, Hungary, Italy, Macedonia, Romania, Spain, Sweden and Ukraine in Europe; Afghanistan, China, Cyprus, Israel, India, Iraq, Jordan, Japan, Kazakhstan, Kirgizistan, Lebanon, Sri Lanka, Nepal, Pakistan, Syria, Saudi Arabia, Thailand, Tadzikistan, Turkmenistan, Taiwan, Uighur Ili, Uzbekistan, and Yemen in Asia; Argentina, Brazil, Chile, Colombia, Costa Rica, Mexico, Peru, Surinam, United States, and Venezuela in America. Recording the faunal data of these states mentioned above are very at the beginning. Comparatively more advanced faunal lists belong to Turkey and some Middle East countries in Asia. Concerning the order *Lepidoptera*, results of the Project *Lepidoptera* of the Old World (LOW), will be published in the next issue of this serial. Finally, this not an ordinary but a planned, long-termed study. If it is needed, the Cesa projects with their published reports should be compared by the readers with the equivalent attempts only.

Priamus (Supplement) nr. 19 was published on 4 October, 2010. It may also be freely obtainable as **pdf** files from the following URL address:

<http://www.archive.org/details/CentreForEntomologicalStudiesAnkaraPriamusSupplement19>

Koçak, A.Ö. & M. Kemal, 2010,

Pterygot insects of Afghanistan. A tentative synonymic list of the species known in Afghanistan (Results of the Entomofauna of the World, based upon infosystem of the Cesa). Priamus (suppl.) 19: 1- 98.

In this study, totally 2456 species are listed in two parts. Synonymous names are arranged chronologically. Range of each species is given as codes. Selected orders with their number of species listed in this article are as follows: Mantodea (17), Orthoptera (94), Hemiptera (42), Homoptera (158), Planipennia (60), Lepidoptera (1649), Diptera (188), Hymenoptera (55), Coleoptera (186).

Miscellaneous Papers of the Cesa, nr. 152 was published on 14 June 2010. It may also be freely obtainable as **pdf** files from the following URL address:

<http://www.archive.org/details/CentreForEntomologicalStudiesAnkaraMiscellaneousPapers152>

The titles of the articles of this issue are given below:

Koçak, A.Ö. & M. Kemal, 2010, A list of the species of the family *Meloidae* recorded in Turkey with a nomenclatural note (Coleoptera). *Cent. Ent. Stud., Misc. Pap.* 152: 1-7.

Koçak, A.Ö. & M. Kemal, 2010, Nomenclatural notes on some families of the order *Diptera*. *Cent. Ent. Stud., Misc. Pap.* 152: 8-9.

Miscellaneous Papers of the Cesa, nr. 153 was published on 8 October 2010. It may also be freely obtainable as **pdf** files from the following URL address:

<http://www.archive.org/details/CentreForEntomologicalStudiesAnkaraMiscellaneousPapers153>

The titles of the articles of this issue are given below:

Koçak, A.Ö., Kemal, M. & E. Seven, 2010, Description of *Trigonocorypha sirvani* n.sp. from Turkey with new faunistic records of the genus and the tribe (*Orthoptera, Tettigoniidae, Phaneropterinae, Trigonocoryphini*). *Cent. Ent. Stud., Misc. Pap.* 153: 1-3.

Koçak, A.Ö. & M. Kemal, 2010, *Palaeocesa* nom.nov., A replacement name for a subgenus of *Ramburiella* Bolivar (*Acrididae, Orthoptera*). *Cent. Ent. Stud., Misc. Pap.* 153: 3-4.

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Miscellaneous Papers of the Cesa, nr. 154 was published on 22 October 2010. It may also be freely obtainable as **pdf** files from the following URL address:

<http://www.archive.org/details/CentreForEntomologicalStudiesAnkaraMiscellaneousPapers154>

The titles of the articles of this issue are given below:

Koçak, A.Ö. & M. Kemal, 2010, Descriptions of three new species of the genus *Anadrymadusa* Karabağ from Middle East (*Tettigoniidae, Orthoptera*). *Cent. Ent. Stud., Misc. Pap.* 154: 1-6, 4 figs.

Koçak, A.Ö. & M. Kemal, 2010, Description of *Pezodrymadusa striolata* ssp. *ziyaretensis* ssp.n. from East Turkey (*Tettigoniidae, Lepidoptera*). *Cent. Ent. Stud., Misc. Pap.* 154: 6.

Koçak, A.Ö. & M. Kemal, 2010, *Eupholidoptera feri* nom.nov., a replacement name for a species from Crete (*Tettigoniidae, Orthoptera*). *Cent. Ent. Stud., Misc. Pap.* 154: 7.



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Contents:

Koçak, A.Ö. & M. Kemal, 2010, Stray notes of a life devoted to Entomology. Cesa News 59: 1-54, 101 figs. [to be continued]

Kayci, L. & M. Fidan, 2010, *Chazaria incarnata* (Freyer, 1838) türünün biyolojisi ve yayılışı hakkında notlar (*Lepidoptera, Noctuidae*). Cesa News 59: 55-59, 6 şekil.

Announcements: Recent publications of the Cesa. Cesa News 59: 59-60. **Editorial**, p.61



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